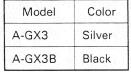
JVG

SERVICE MANUAL

STEREO INTEGRATED AMPLIFIER

MODEL A-GX3/A-GX3B





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Safety Precautions

 The design of this product contains special hardware, many circuits and components specially for safety purposes.

For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.

- Alterations of the design or circuitry of the product should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
- 3. Many electrical and mechanical parts in the product have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. Electrical components having such features are identified by shading on the schematics and by (∆) on the parts list in Service manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list in Service manual may create shock, fire, or other hazards.
- 4. The leads in the products are routed and dressed with ties, clamps, tubings, barriers and/or the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard.

When service is required, the original lead routing and dress should be observed, and they should be confirmed to be returned to normal, after reassembling.

Leakage current check

(Safety for electrical shock hazard)

After reassembling the product, always perform an isolation check on the exposed metal parts of the Products (antenna terminals, knobs, metal cabinet, screw heads, headphone jack, control shafts, etc.) to be sure the pro-

duct is safe to operate without danger of electrical shock.

Do not use a line isolation transformer during this check.

- Plug the AC line cord directly into the AC outlet. Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground. Any leakage current must not exceed 0.5 mA AC (r.m.s.).
- Alternate check method.

Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having 1,000 ohms per volt or more sensitivity in the following manner. Connect a 1500Ω 10W resistor paralleled by a 0.15 μ F AC-type capacitor between an exposed metal part and a known good earth ground.

Measure the AC voltage across the resistor with the AC voltmeter.

Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.).

This corresponds to 0.5 mA AC (r.m.s.).

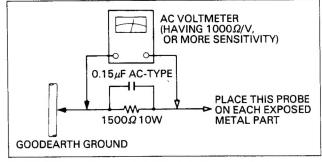


Fig. 1

Service Precautions

 Before repairing, be sure to discharge the large electrolytic capacitors across a resistor of about 100 ohms/1 watt.

■ When disassembling

- When replacing a power transistor or IC, be sure to apply silicone grease to the section of a new transistor or IC which is in close contact with the heatsink, then mount it.
- When removing or stretching wires on the P. C. Board, be sure to restore them to their original routing as far as possible.

CHECKING YOUR LINE VOLTAGE (For U.S. Military Market and Other Countries)

Befor inserting the power plug, please check this setting to see that it corresponds with the line voltage in your area. If it doesn't be sure to adjust the voltage selector switch to the proper setting before operating this equipment. The voltage selector switch is located on the rear panel.

CAUTION: Before selecting the "Voltage selector switch" to proper voltage disconnect the power plug.



1. Specifications

Output Power

: 80 watts per channel, min. RMS, both channels driven into 8 ohms from 20 Hz to 20 kHz, with no more than 0.2% total harmonic distor-

tion.

(U.S.A. and Canada only) 85 watts per channel, min. RMS, both channels driven, into 8 ohms at 1 kHz with no more than 0.7% total harmon-

ic distortion.

(U.S.A. and Canada only) 83 watts per channel, min. RMS, into 8 ohms at 1 kHz with on more than 0.2% total

harmonic distortion.

Total Harmonic
Distortion
Power Band Width

: 0.2% at rated output, from 20 Hz to 20 kHz, 8 ohms

: 10 Hz – 30 kHz ('66 IHF 0.2% both channels driven, 8 ohms)

Frequency Response

Tone Controls

: 10 Hz – 100 kHz +0,5 dB,

-3 dB (8 ohms)

: TREBLE +8 \pm 1 dB

 $-8 \pm 1 \, dB \, (at \, 10 \, kHz)$

BASS $+8 \pm 1 dB$

 $-8 \pm 1 \, dB \, (at \, 100 \, Hz)$

Input Sensitivity/ Impedance (1 kHz)

PHONO

: 2.5 mV/47 kohms

TUNER, CD/AUX,

VIDEO SOUND TAPE: 150 mV/40 kohms

Phono RIAA

Deviation

 $\pm 1.0 \text{ dB } (40 \text{ Hz} - 15 \text{ kHz})$

Signal to Noise Ratio

PHONO

: 70 dB ('66 IHF)

TUNER, CD/AUX,

VIDEO SOUND TAPE: 96 dB ('66 IHF)

PHONO

: 79 dB ('78 IHF, Rec Out)

TUNER, CD/AUX,

VIDEO SOUND TAPE: 73 dB ('78 IHF, Speaker Out)

Loudness Control (Volume Control at –30 : +6 dB at 100 Hz +4 dB at 10 kHz

dB position)

Dimensions and Weight

D	imensions (mn	n)	Weight
Width	Height	Depth	(kg/lbs)
435 (17-3/16")	117 (4-5/8")	292 (11-1/2")	6.0 (13.3)

Design and specifications subject to change without notice.

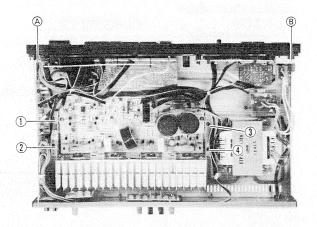
Differences Between Models Intended For Different Areas

Areas	U.S.A. & Canada	Continental Europe	U.K. & Australia	Other areas
Power supply	AC 120V ∼ , 60 Hz	AC 220V ∼ , 50 Hz	AC 240V ∼ , 50 Hz	AC 110/120/220 240V \sim selectable, 50/60 Hz
Power Consumption	270 watts, 345 VA	200 watts	200 watts	200 watts
AC voltage selector	Not fitted	Not fitted	Not fitted	Fitted
AC outlet	Fitted	Not fitted	Not fitted	Fitted
AC line fuse holder	Not fitted	Not fitted	Not fitted	Fitted

2. Removal and Reassembly Procedures

2-(1) Removal of the Main P.C. Board

- 1. Remove the metal cover.
- 2. Remove screws $\textcircled{1} \sim \textcircled{4}$ on the bracket of P.C. board. (Fig. 2)



3. Pull out the main P.C. board in the direction of arrow as shown in Fig. 3.

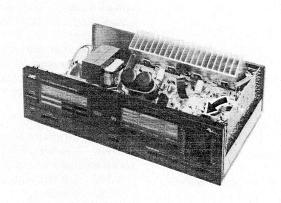
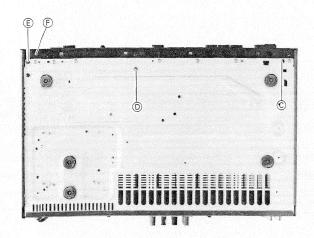


Fig. 2

Fig. 3

2-(2) Removal of the front panel

- Remove screws (a) and (b) on the upper part of front panel shown in Fig. 1.



Note:

As three types of fixing screw are used for the base, make sure the screws are correct when reinstalling.

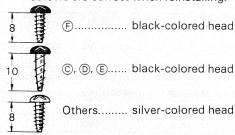


Fig. 4

3. As shown in Fig. 5, pull out the front panel frontward and raise it.

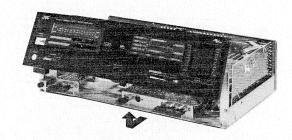


Fig. 5

3. Adjustment Procedures

3-(1) Power Amplifier Idling Current Adjustment

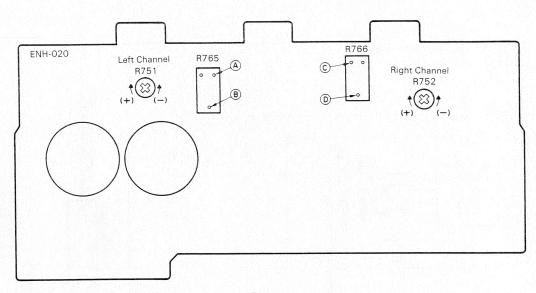


Fig. 6

- 1. Before turning on the power, turn the semi-fixed resistors (R751 for L channel and R752 for R channel) of the power amplifier circuit board fully counterclockwise.
- 2. Adjust the semi-fixed resistors (R751 and R752) so that the voltage at the following test points of the power amplifier circuit board is within a range of 1 mV \sim 2 mV after the power is turned on.
 - L channel: Measure the voltage between test point (a) (emitter of Q713) and output at the test

point B.

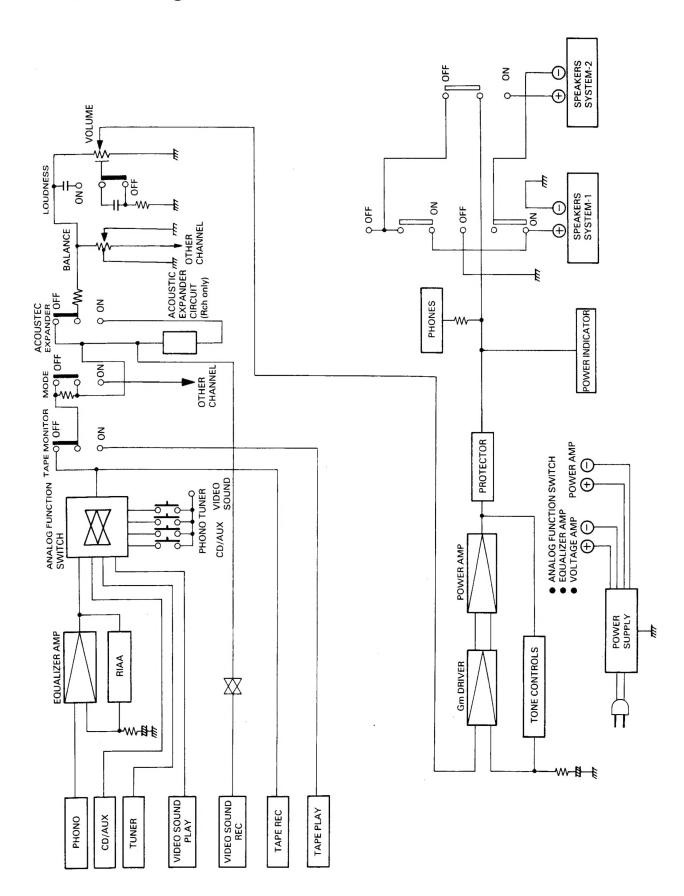
R channel: Measure the voltage between test point © (emitter of Q714) and output at the test point ©.

 Readjust resistors R751 and R752 about 5 minutes after the power is turned on (the heatsink temperature must be sufficiently high) so that the voltage at the test points becomes 3 mV.

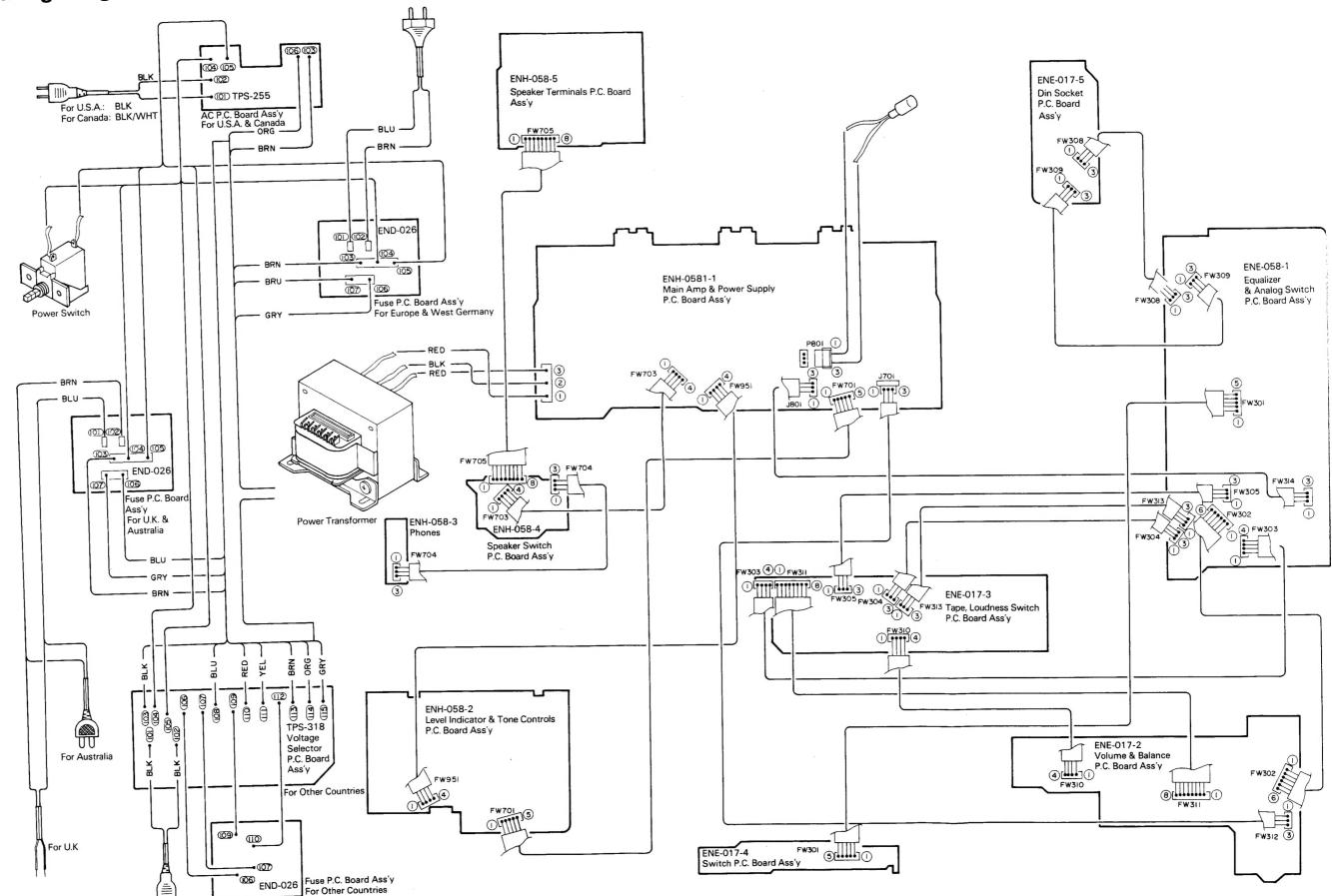
Confirm that the voltage does not vary when the heatsink temperature increases further.

Note: Be sure to perform the measurement with the probes and cabinet of the measuring equipment separated from the grounding terminals of A-GX3 or other measuring equipment.

4. Block Diagram



5. Wiring Diagram

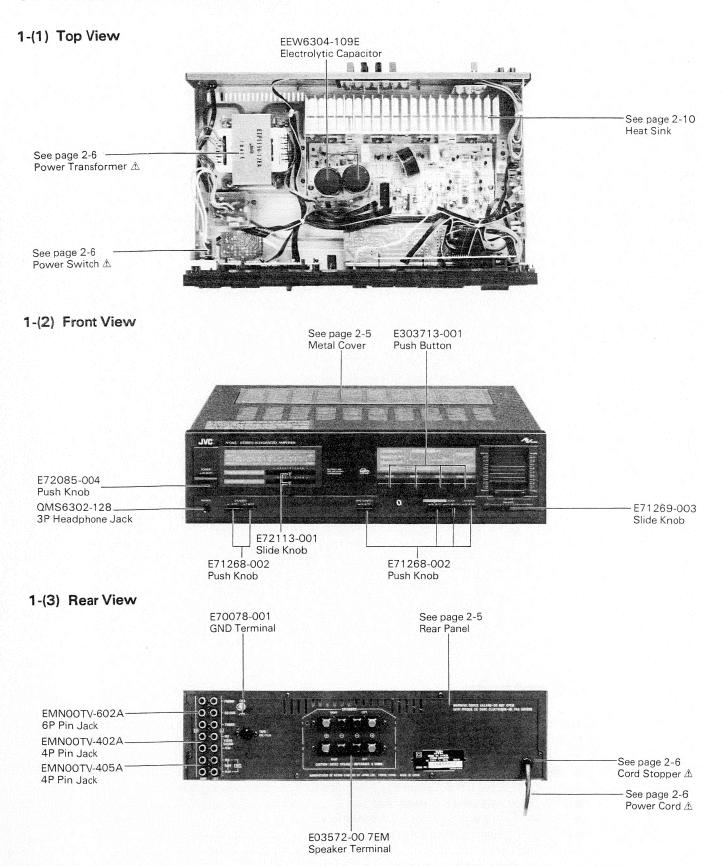


PARTS LIST

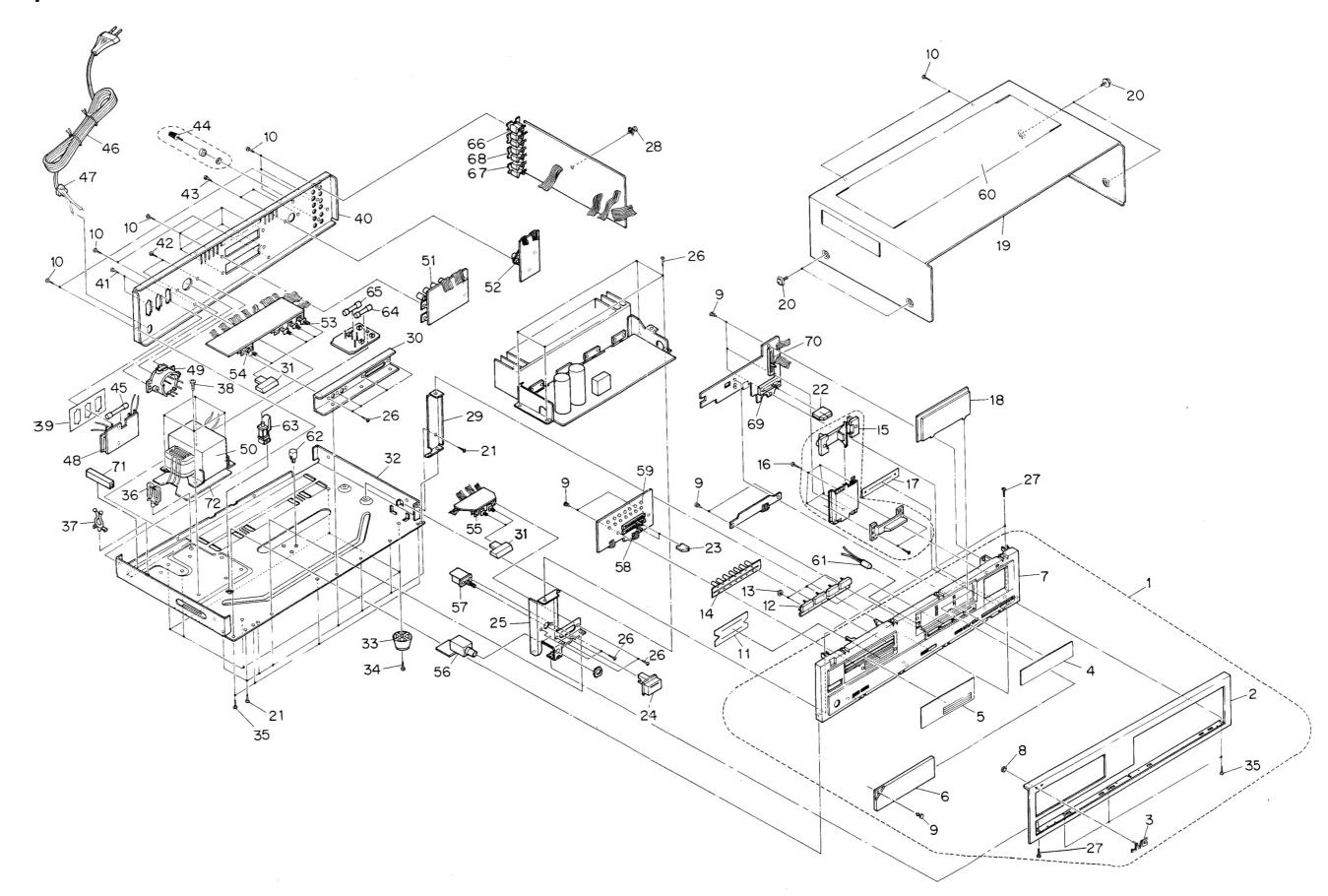
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1. Main Parts Locations



2. Exploded View and Part List



Item	Part Numbe r	Part Name	Q'ty	Description	Areas
1	EFP-AGX3	Front Panel Ass'y	1	Silver	
1 1	EFP-AGX3B	Front Panel Ass'y	1	Black	
2	E24981-001	Front Panel	1	Silver	
-		Front Panel	1	Black	
	E24981-002		1	Silver	
3	E70913-002	JVC Mark		Silver	
	E70913-001	JVC Mark	1	Black	
4	E72147-001	Sheet	1		Ì
5	E303715-001	Screen	1		
		Scale	1		
6	E303711-001		1		
7	E11120-001	Front Base	- '-		
8	E60912-003	Speed Nut.	1		
9	E48729-007	Plastic Rivet	1		
10	SBSB3008N	Screw	13	Silver	
''	SBSB3008M	Screw	13	Black	
		Spacer	1	Didd:	İ
11	E72250-002	Spacer			
12	E303713-001	Push Button	1		1
13	E60912-003	Speed Nut	3		
14	E303706-001	Indicator	1		
	E303700-001	Volume Knob Ass'y	1		
15		Screw	4		
16	SBSF3008N		-		
17	E72142-002	Spacer	1		
18	E303721-001	Window Screen	1		
19	E24721-003	Metal Cover	1	Silver	Except E,BS
19		Metal Cover	1	Black	Except E,BS
	E24721-004		1	Silver	E,BS
	E25026-001	Metal Cover		Silver	E,B3
	E25026-002	Metal Cover	1	Black	E,BS
20	E61660-001	Screw	4	Silver	
20	E61660-004	Screw	4	Black	
-	,	Screw	9		
21	SBSB3008N		1		
22	E71269-003	Slide Knob			
23	E72113-001	Slide Knob	2		
24	E72085-004	Push Knob	1		
	E303717-001	Bracket (L)	1		
25		Screw	12		
26	SBST3006Z		3		
27	SBSB3008Z	Screw	3		
28	E69384-002	Fastener	1		
29	E72144-001	Bracket (R)	1		
		Switch Bracket	1		
30	E303714-001		6	[
31	E71268-002	Push Knob	- 1		
32	E10717-008	Chassis Base	1	-	
33	E47227-012	Foot	5		
34	SBSB3010Z	Screw	5		
1 '		Screw	3	1	
35	SBSF3008M		1		
36	QHW3059-001	Wire Clamp			10
37	QHW2052-001	Wire Clamp	1	-	J,C
38	E65389-002	Screw	4		Except J,C
36	E65389-005	Screw	4		J,C
			1		J
39	E69589-001	Spacer		Silver	
40	E24127-027	Rear Panel	1	Silver	J,C
	E24127-030	Rear Panel	1	Black	J,C
	E24127-028	Rear Panel	1	Silver	E,A,G,BS
		Rear Panel	1	Black	E,A,G,BS
	E24127-031		ı		
1	E24127-029	Rear Panel	1	Silver	U,P,PG
	E24127-032	Rear Panel	1	Black	U,P,PG
41	SDSB3008N	Screw	2	Silver	J,C,U,P,PG
_	CDCD200014	Screw	2	Black	J,C,U,P,PG
	SDSB3008M		1		
42	SBSB3008N	Screw	2	Silver	U,P,PG
1	SBSB3008M	Screw	2	Black	U,P,PG
43	SBSB3008N	Screw	2	Silver	E,A,U,P,PG,BS
	SBSB3008M	Screw	2	Black	E,A,U,P,PG,BS

 ^{⚠ :} Safety Parts

A	No.	Part Number	Part Name	Q'ty	Description	Areas
Δ Δ Δ	44 45 46	E70078-001 QMF61U1-5RO QMP1200-200 QMP1480-200H	GND. Terminal Fuse Power Cord Power Cord	1 1 1 1		J,C
A A A A	47	QMP3900-200 QMP2560-244 QMP7600-250 QMP9017-008BS QHS3876-162 QHS3876-162BS	Power Cord Power Cord Power Cord Cord Stopper Cord Stopper	1 1 1 1 1 1 1 1		E,G A U,P,PG BS Except BS BS
Δ Δ Δ Δ	48 49 50	QMC0637-004 QMC0638-001 QSR0085-006U ETP1150-17JA ETP1150-17FA	3P AC Outlet AC Outlet Voltage Selector Power Transformer Power Transformer	1 1 1 1 1 1		J,U,P,PG C U,P,PG J,C U,P,PG
<u>A</u>	51 52 53	ETP1150-17EA ETP1150-17EABS E03572-007EM E03623-003 QST4361-E08	Power Transformer Power Transformer Speaker Terminal Din Socket Push Switch	1 1 1 1		E,A,G BS Except J,C
A	54 55 56 57	QST4101-E16 QST4261-E05 QMS6302-128 QSP1106-005 QSP1106-005BS	Push Switch Push Switch 3P Headphone JacK Power Switch Power Switch	1 1 1 1		Except BS BS
	58 59 60	QVUB01C-E15C SLR-54DC50F165 E23862-003 E23862-004 E03872-023	Variable Resistor L.E.D. Grill Grill Lamp Ass'y	2 14 1 1	Silver Black	E,BS E,BS
A A	62 63 64	E71335-002 E34455-001 QMF51A2-2R5S QMF51A2-4ROS QMF51E2-2R5SBS	Fastener Fastener Fuse Fuse Fuse	1 1 1 1	F001 F001 F001	Except J,C E,G,A U,P,PG BS
Δ	65 66 67 68 69	QMF51A2-2R5S EMN00TV-405A EMN00TV-402A EMN00TV-602A QVZ5307-001	Fuse 4P Pin Jack 4P Pin Jack 6P Pin Jack Variable Resistor	1 1 1 1	F002 BALANCE	U,P,PG
	70 71 72	QVTB01B-EF5B E65778-002 E72358-001	Variable Resistor Spacer Trans Bracket	1 1 1	Main	J,C

 ${ \hat{\Delta} : \text{Safety Parts} }$

The Marks for Designated Areas

J...... U. S. A. G...... West Germany

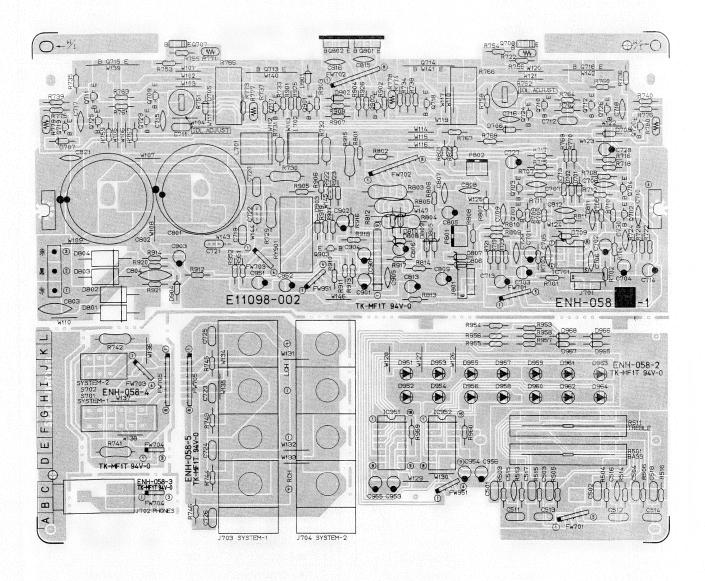
C..... Canada

BS..... U. K. P,PG... U.S. Military Market E Europe

3. Printed Circuit Board Ass'y and Parts List

ENH-058 ☐ Power Amplifier P.C. Board Ass'y Note ENH-058 ☐ Varies according to the areas employed. See note (1) when placing an order. Note (1)

P.C. Board Ass'y	Designated Areas
ENH-058 A	U. S. A.
ENH-058 B	Canada
ENH-058 C	Europe & Australia
ENH-058 D	West Germany
ENH-058 F	U.S. Military Market & Other Countries



Transistors

	Item No.	Part Number	De	scription	Areas
1				Maker	
	Q701	2SC2389(S,E)	SILICON	ROHM	
	Q702	2SC2389(S,E)	SILICON	ROHM	
	Q703	2SA1038(R,S)	SILICON	ROHM	
	Q704	2SA1038(R,S)	SILICON	ROHM	
	Q707	2SD636(Q,R)	SILICON	MATSUSHITA	
	Q708	2SD636(Q,R)	SILICON	MATSUSHITA	
	Q709	2SC2235(O,Y)	SILICON	TOSHIBA	
	Q710	2SC2235(O,Y)	SILICON	TOSHIBA	
	Q711	2SA965(O,Y)	SILICON	TOSHIBA	
	Q712	2SA965(O,Y)	SILICON	TOSHIBA	
	Q713	2SD1148LB(O,R)	SILICON	TOSHIBA	
	Q714	2SD1148LB(O,R)	SILICON	TOSHIBA	
	Q715	2SB863LB(R,O)	SILICON	TOSHIBA	
	Q716	2SB863LB(R,O)	SILICON	TOSHIBA	
	Q717	2SC1740LN(R,S)	SILICON	ROHM	
	Q718	2SC1740LN(R,S)	SILICON	ROHM	
	Q719	2SA933LN(R,S)	SILICON	ROHM	
	Q720	2SA933LN(R,S)	SILICON	ROHM	
	Q723	2SC2389(S,E)	SILICON	ROHM	
	Q724	2SC2389(S,E)	SILICON	ROHM	
Γ	Q725	2SA1038(R,S)	SILICON	ROHM	
	Q726	2SA1038(R,S)	SILICON	ROHM	
	Q801	2SD1265A(O,P)	SILICON	MATSUSHITA	
	Q802	2SB941A(P,Q)	SILICON	MATSUSHITA	
L	Q901	2SC2389(S,E)	SILICON	ROHM	1
	Q902	2SC2389(S,E)	SILICON	ROHM	
۱	Q903	2SA1038(R,S)	SILICON	ROHM	

Diodes

Δ	Item No.	Part Number		Description		
				Maker		
	D807	RD12EB3	ZENER	NEC		
	D808	RD24EB3	ZENER	NEC		
	D901	1S2076-31	SILICON	HITACHI		
	D902	1S2076-31	SILICON	HITACHI	ì	
	D903	1S2076-31	SILICON	HITACHI		
	D904	1S2076-31	SILICON	HITACHI		
	D951	SLR-54DC50F165	L.E.D.	ROHM		
	D952	SLR-54DC50F165	L.E.D.	ROHM		
	D953	SLR-54DC50F165	L.E.D.	ROHM		
	D954	SLR-54DC50F165	L.E.D.	ROHM		
	D955	SLR-54DC50F165	L.E.D.	ROHM		
	D956	SLR-54DC50F165	L.E.D.	ROHM		
	D957	SLR-54DC50F165	L.E.D.	ROHM		
	D958	SLR-54DC50F165	L.E.D.	ROHM		
	D959	SLR-54DC50F165	L.E.D.	ROHM		
	D960	SLR-54DC50F165	L.E.D.	ROHM		
	D961	SLR-54DC50F165	L.E.D.	ROHM		
	D962	SLR-54DC50F165	L.E.D.	ROHM		
	D963	SLR-54DC50F165	L.E.D.	ROHM		
	D964	SLR-54DC50F165	L.E.D.	ROHM		
	D965	1S2076-31	SILICON	HITACHI		
	D966	1S2076-31	SILICON	HITACHI		
	D967	1S2076-31	SILICON	HITACHI		
	D968	1S2076-31	SILICON	HITACHI		

ICs

Δ	Item No,	Part Number	Description	Areas
			Maker	
	IC701 IC701 IC701 IC701 IC701	NJM4558D NJM4558D NJM4558D NJM4560D—X NJM458BD	JRC JRC JRC JRC JRC	A B C D
	IC901 IC951 IC952	TA7317P IR2E19 IR2E19	TOSHIBA SHARP SHARP	

Capacitors

Δ	Item No.	Part Number		Descri	ption	Areas
	C501	QFN31HK-153	0.015MF	50V	MYLAR	
	C502	QFN31HK-153	0.015MF	50V	MYLAR	
	C503	QFN31HK-823	0.082MF	50V	MYLAR	
	C504	QFN31HK-823	0.082MF	50V	MYLAR	
	C511	QFN31HK-332	3300PF	50V	MYLAR	
	C512	QFN31HK-332	3300PF	50V	MYLAR	
	C513	QFN31HK-183	0.018MF	50V	MYLAR	
	C514	QFN31HK-183	0.018MF	50V	MYLAR	
١	C515	QCS31HJ-221	220PF	50V	CERAMIC	
	C516	QCS31HJ-221	220PF	50V	CERAMIC	
	C517	QFN31HK-122	1200PF	50V	MYLAR	
	C518	QFN31HK-122	1200PF	50V	MYLAR	
ł	C701	QETC1HM-475	4.7MF	50V	ELECTORO	
	C702	QETC1HM-475	4.7MF	50V	ELECTORO	
	C703	QETC1AM-107	100MF	10V	ELECTORO	
	C704	QETC1AM-107	100MF	10V	ELECTORO	
	C705	QCS31HJ-101	100PF	50V	CERAMIC	
	C706	QCS31HJ-101	100PF	50V	CERAMIC	
	C707	QCS31HJ-100	10PF	50V	CERAMIC	Α
	C707	QCS31HJ-100	10PF	50V	CERAMIC	В
	C707	QCS31HJ-100	10PF	50V	CERAMIC	С
	C707	QCS31HJ-220	22PF	50V	CERAMIC	D
1	C707	QCS31HJ-100	10PF	50V	CERAMIC	F
	C708	QCS31HJ-100	10PF	50V	CERAMIC	A
	C708	QCS31HJ-100	10PF	50V	CERAMIC	В
	C708	QCS31HJ-100	10PF	50V	CERAMIC	С
	C708	QCS31HJ-220	22PF	50V	CERAMIC	D
	C708	QCS31HJ-100	10PF	50V	CERAMIC	F
	C709	QCS31HJ-180	18PF	50V	CERAMIC	Α
	C709	QCS31HJ-180	18PF	50V	CERAMIC	В

Diodes

Δ	Item No.	Part Number	Descrip	tion	Areas
П				Maker	
	D701 D702 D705 D706 D707	1\$2076—31 1\$2076—31 1\$2076—31 1\$2076—31 1\$2076—31	SILICON SILICON SILICON SILICON SILICON	HITACHI HITACHI HITACHI HITACHI HITACHI	
	D708 D709 D709 D709 D801	1S2076-31 RD3.3EB2 RD3.3EB2 RD3.3EB2 S3V20F	SILICON ZENER ZENER ZENER SILICON	HITACHI NEC NEC NEC SHINDENGEN	C D F
<u>A</u>	D803	S3V20F S3V20F S3V20F RD10EB3 RD9.1EB3	SILICON SILICON SILICON ZENER ZENER	SHINDENGEN SHINDENGEN SHINDENGEN NEC NEC	

∆: Safety Parts

	I GOTTON SOCI		meti	V 1		1					.
Areas		Part Number	.oN	V	Areas	uo	Describti		Part Number	tem No.	
	1/4W CARBON 1/4W CARBON					BJBAIRAV		074	174-80A49VQ	3752	Ė
	10K 1/4W CARBON					CARBON	Mb/L	1.5K	QRD141J-152S	1	i
	10K 1/4W CARBON		H956			CARBON	MÞ/L	1.5K	QRD1411—152S	1	- 1
	1.5K 1/4W CARBON	QRD141J-152S	789A			CARBON	Mb/L	390 390	QRD1417-3915	9978	
	1.5K 1/4W CARBON	QRD141J-152S	896H	_ -						-	-
	2.7K 1/4W CARBON	QRD141J-2725	B968			UNF.CARBON	Mb/L	01 01	QRD145J-100S	727A 827A	ı
	2.7K 1/4W CARBON	QRD141J-272S	096원			UNF.CARBON	W4/1	10	QRD145J-100S	6978	- 1
5 9 Y	təla2:∆			_ l		UNF.CARBON	MÞ/L	10	QRD145J-100S	0978	- 1
						UNF.CARBON	MÞ/L	2.7K	QRD145J-2725	1978	- 1
						UNF.CARBON	Wp/1	2.7K	QRD145J-2725	2978	+
						UNF.CARBON	MÞ/1	074	QRD145J-471S	£928	- 1
			- 4			UNF.CARBON	W4/I	074	QRD145J-471S	₱9ZH	- 1
			pers	10		CEMMENT	300	52.0	EBF032K-R22	9928	- 1
Are	Describtion	Part Number	meti	\triangledown		СЕММЕИТ	3M	0.22	EBF032K-R22	9928	- 1
			ON .	<u> </u>		UNF.CARBON	W4/1	01	QRD145J-100S	7978	+
A	CIRCUIT BOARD	E11098-002				UNF.CARBON	Mb/1	01	QRD145J-100S	8978	- 1
8	HEAT SINK	E300508-018			A	UNF.CARBON	W4/I	10	QRD145J-100S	108A	
a	HEAT SINK	E300509-019			8	САВВОИ	Wb/I	01	QRD145J-100S	108A	1 '
4	HEAT SINK	E300509-018			٥	FUSIBLE	MÞ/L	01	QRZ0062-100	108A	1
				1 L	٥	FUSIBLE	WÞ/I	01			1
0	HEAT SINK	E300509-050	Į		4	FUSIBLE	Mb/L	10	QRZ0062-100	108A	7
	TIE BAND	E33754-005				UNF.CARBON	Mt/l	15	QRD145J-150S	R802	7
	BBACKET(L)	E67298—001		1 1		O.M.FILM	SW	39	QRG0221-390AF	F804	7
	BRACKET(R)	E67293-002				САВВОИ	MÞ/L	12K	QRD141J-153S	908A	
-				1 L		UNF.CARBON	Wp/I	12	QRD145J-120S	708A	7
	TAPPING SCREW	CBSB3008Z				FUSIBLE	W4/r	33	QRZ0062-330	808A	V
	TAPPING SCREW	Z8082838 Z808283				САВВОИ	MÞ/L	089	S189-LIPIGRO	608A	
	SCREW	SBSE3015Z				САВВОИ	M\$/1	089	2189-L1410AQ	0188	
	EARTH PLATE	E70859—001				САВВОИ	MÞ/L	5K	QRD1411-2025	F18A	
_			7021	-		САЯВОИ	MÞ/L	A8.9	QRD1411-6825	R812	1
	HEADPHONE JACK 3P SOCKET	E04365-128	1020		A	UNF.CARBON	W4/1	22	QRD145J-220S	R813	V
	SPEAKER TERMINAL	E032\5-00\EW	7021		8	UNF.CARBON	Wp/F	22	ORD1451-220S	E18A	V
	SPEAKER TERMINAL	E03972-007EM	1703		0	FUSIBLE	MÞ/L	72	ORZ0062-270	E18A	V
	3P SOCKET	E04392-003	1080		а	FUSIBLE	Mb/1	22	QRZ0062-270	E18A	∇
_				1 L	4	FUSIBLE	MÞ/L	72	QRZ0062—270		V
	3P PLUG ASSY	QMV5005—003	108q	1		САВВОИ	WÞ/L	15K	QRD1417-1235	F814	_
	PUSH SWITCH	OST4261-E05	102S		ĺ	CARBON	MÞ/1	2.7K	QRD141J-272S	F1001	
	R.TERMINAL YELAY		108TA			CARBON	MÞ/I	2.7K	QRD141J-2725	R902	
a	INDUCTOR	EOF0001-1BO E2K2D54-518	1021			САВВОИ	MÞ/1	18K	SEST-LIPIGRO	E06A	
			1047	1 L		САВВОИ	Mb/L	18K			\vdash
а	ІИВПСТОЯ	EGL0001-IRO	7077	1		CARBON	Mt/L	100K	ORD1417-1835	F905	
				.		CARBON	MÞ/L	82K	QRD1411-8235	906R	i
						САВВОИ	WÞ/I	22K	QRD141J-2235	706A	
				- 1		CARBON	Mb/1	22K	QRD141J-223S	806A	
						САВВОИ	MÞ/1	10K	QRD1411—103S	606H	_
						САВВОИ	WP/I	100K	QRD1411-104S	R910	
				- 1	ļ	CARBON	MÞ/L	47K	QRD141J-473S	1168	
						САВВОИ	MÞ/L	98K	QRD141J-683S	R912	
						CARBON	Mt/L	X89	QRD141J-683S	R913	
						CARBON	Mt/L	8.2K	QRD141J-822S	416A	
						MJIFI.M.O	NZ.	1.5K	QRG022J-152AF	B915	∇
				- 1		CARBON	Mt/L	30K	QRD141J-303S	9168	
						CARBON	MÞ/L	SOK	ORD1417-2035	716A	
				<u> </u>		САВВОИ	MÞ/L	220K	QRD1411-224S	8168	
						CARBON	MÞ/L	3.3K	QRD1411-3325	R919	
						CARBON	MÞ/L	9.8K	QRD141J-682S	F920	
						САВВОИ	W4/r	4.7K	QRD141J-472S	F921	
				- 1		САВВОИ	Mt/L	15K	QRD1411-123S	196H	
					1	CARBON	MÞ/L	15K	QRD141J-1235	E952	

1692	# I IIO	Descripti		Part Number	meti	1	Areas	l uo	Holy22A()		Part Number	u
	3J8AIRAV	ndu		OANBOIC-EIRC	, oN	+	0	CERAMIC	Description V09	398f	Part Number	1
	САВВОИ	Mt/L	18K	QRD141J-183S	E098		a	CERAMIC			C231H7-120	1
	САВВОИ	M7/1	33K 18K	QRD141J-1835		1	, v	CERAMIC	۸09	18PF	2 CS31HJ-180	1
	CARBON	MP/L	3.3K 3.3K	OBD1417-3358			A 8	CERAMIC	20A	199F 199F	2 CS31H1-180	- 1
	AARIABLE .			QVUB01C-E15C	+	-	0			-		
	CARBON	Mt/1	4.7K	QRD141J-472S		- 1	a	CERAMIC	009 000	18PF	O C231H1−120	i i
	CARBON	MÞ/L	4.7K	QRD1411-472S	H214		F	CERAMIC	V08	7461 7481	O C231H1-180	
	САВВОИ	MÞ/L	850	QRD141J-821S	8158			CERAMIC	200	3M10.0	Q CF31HP-103	
	CARBON	Mt/L	850	QRD1411-8215	9188			CERAMIC	200	0.01MF	О СЕЗІНЬ—103	
	САВВОИ	W4/1	2.2K	QRD141J-2225	1078			ELECTORO	200	RIMF	QETC1HM-105	3 (
	CARBON	M\$/1	2.2K	QRD1411-222S	2078			ELECTORO	۸09	1MF	QETC1HM-105	
	САВВОИ	W4/1	100K	QRD141J-104S	E07A			CERAMIC	V03	4 4 89	©C231H1−680	
	CARBON	Mt/L	100K	QRD141J-104S	P704			CERAMIC	۸09	4989	QC231H1-680	1
	САВВОИ	MÞ/L	A.7K	QRD141J-472S	9028			CERAMIC	V02	4489	OC231H1−680	1 4
	САВВОИ	MÞ/L	4.7K	QRD141J-472S	9078	V		CERAMIC	V02	∃489	©C231H7−680	8
	UNF.CARBON	Mt/1	28	QRD1451-820S	707A	V	A	MYLAR	V02	9M740.0	ØEN31HK-413	6
	UNF.CARBON	Mt/L	28	OBD1421-8502	8078	V	8	MYLAR	200	9M740.0	QFN31HK-473	6
0		Mt/1	28	QRZ0062—820	607A	V	0	MYLAR	200	0.047MF	QFN31HK-473	6
	-	-		QRZ0062-820	6078	V	0	RAJYM	Λ09	JM1.0	ŒEN31HK−10¢	6
4		MÞ/L	28	QRZ0062—820	607A	V	A	AAJYM	۸09	3M740.0	GFN31HK-473	0
A	UNE CARBON	Mt/1	28	QRD145J-820S	607A	V	8	MYLAR	V02	4M740.0	QFN31HK-473	0
C B	UNF.CARBON FUSIBLE	W4/1	28	OBD1421-8502	6028	∇	a	RAJYM	V03	3M740.0	OFN31HK-473	0
a	FUSIBLE	Mt/1	82	QRZ0062-820	017A	∇	0	MYLAR MYLAR	20A	0.1MF	OEN31HK-104	0
<u>+</u>	FUSIBLE	-				<u> </u>				O.1MF	OE/131HK-104	l i
A	UNF.CARBON	W4/1	82	GRD145J-820S GRZ0062-820	0178	∇	u u	MYLAR	709 200	O.1MF	OEN31HK-104	75
8	UNF.CARBON	M#/1	28	QRD145J-820S	0178	∇	0	CERAMIC	20A	0.01MF	ОСЕЗІНЬ—103 ОСЕЗІНЬ—103	53
	UNF.CARBON	Mt/L	20	QRD145J-470S	F117	∇	0	CERAMIC	200	0.01MF	QCF31HP-103	97
	UNF.CARBON	W4/1	74	QRD145J-470S	SITA	∇	а	CERAMIC	Λ09	3M10.0	QCF31HP-103	97
	САВВОИ	Wp/I	22K	QRD1411-2235	E178			ELECTORO				-
	CARBON	MÞ/L	8.2K	QRD1413—8225	817A			ELECTORO	20A	2.2MF	OETC1HM-225	82
	CARBON	1/4W	8.2K	QRD141J-822S	917A		A	CERAMIC	200	1489	QC231H7-680	67
	CARBON	W4/1	4.7K	QRD141J-472S	7178		8	CERAMIC	Λ09	998F	GC231H7-680	67
	САВВОИ	MÞ/1	4.7K	QRD141J-472S	8178		0	CERAMIC	Λ09	498a	QCS31H1-680	67
	САВВОИ	MÞ/1	13K	QRD141J-133S	617A	Ш	a	CERAMIC	200	120PF		
	САНВОИ	MÞ/1	13K	QRD1413-1335	R720		E E	CERAMIC	200	44061 4489	GC231H7-880 GC231H7-121	56
	САВВОИ	MÞ/L	85K	QRD141J-823S	1278		A	CERAMIC	200	H489	QC231H1-680	30
	САВВОИ	Mt/1	82K	QRD141J-8235	SSTA		8	CERAMIC	Λ09	F188	GC231H1-680	30
	САЯВОИ	Mt/l	210	QRD141J-511S	£27A		0	CERAMIC	V02	∃ 4 89	QC231H7-680	30
	САВВОИ	Mt/l	910	QRD141J-511S	F724		а	CERAMIC	200	150PF		
	O.M.FILM	WI	10	QRG012J-100AF	P278	\triangledown	E	CERAMIC	Λ09 Λ00	74061 7989	OC231H7-080	30
	O.M.FILM	WI	01	QRG012J-100AF	0£7A	∇		ELECTRO	VE9	10000MF	EEM9304-103E	10
a	UNF.CARBON	1/5M	33	QRD125J-330	157A	$\dot{\overline{\mathbf{v}}}$		ELECTRO	VE9	10000MF	EEM6304-109E	201
а	UNF.CARBON	1/SM	33	QRD125J-330	267A	∇		AAJYM.M	250V	O.1MF	OFH42EK-104	803
	САВВОИ	W4/1	180	QRD141J-1815	EE78			CERAMIC	2007	0.01MF	QCE22HP-103A	Þ08
	CARBON	M#/1	180	QRD141J-181S	₽8784			ELECTORO	25V	100MF	QETC1EM-107	908
	CARBON	Mt/L	180	QRD141J-1815	9678			ELECTORO	200	10MF	QETC1HM-106	908
	CARBON	W4/1	180	QRD141J-1815	7£7A	- 1		ELECTORO	167	SSME	OETC1CM-226	608
_						\dashv	-	CERAMIC	200	0.022MF	OCE31HP-223	118
Ì	CARBON	W4/1	150	QRD1417-1215	857A 857A	- 1		CERAMIC	Vat	0.022MF	OCE31HP-223	218
1	CARBON	M7/1	150	ORDI417-121S	047A	- 1	а	CERAMIC	167	100MF 100MF	QETC1CM—107	813
į	O.M.FILM	SW	330	QRG022J-331AF		∇		ELECTORO	100	100MF	QCS21HJ-821	108
	O.M.FILM	SW	330	QRG022J-331AF		∇		ELECTORO	200	SSMF	GETC1HM-226	905
a	UNF.CARBON	Mt/l	10	QRD145J-100S	E47A	∇		ELECTORO	200	IMF		
a	UNF.CARBON	MÞ/L	10	QRD145J-100S		∇		ELECTORO	267	SSMF	QETC1EM-105	\$06
a	UNF.CARBON	MÞ/L	10	QRD145J-100S	8745	∇		ELECTORO	Λ09	4.7MF	QETC1HM-475	196
a	UNF.CARBON	MÞ/L	10	QRD145J-100S	9 b 78	\triangledown		ELECTORO	V02	4.7MF	QETC1HM-475	796
i	318AIRAV		0470	174-80A49VD	1978	\neg		ЕГЕСТОВО	257	10MF	QETC1EM-106	623
T												
y P	afeS:∆							ELECTORO	25V	10MF	QETC1EM-106	⊅ 96:

A-GX3/A-GX3B A-GX3/A-GX3B

7	meti No.	Раң Иитрег		Descri	noito	Areas
	C375	QCS31HJ-221	220PF	Λ09	CERAMIC	0
	C376	QCS31H1-221	220PF	Λ09	CERAMIC	8
	9289	QCS31H1-221	220PF	200	CERAMIC	0
	Ç381	OC231H7-551	220PF	20A	CERAMIC	0
	C385	QCS31H1-221	220PF	Λ09	CERAMIC	0
	C383	QCS31H1-221	220PF	Λ09	CERAMIC	0
	C384	QCS31HJ-221	220PF	200	CERAMIC	0
	C382	QCS31HJ-221	220PF	V03	CERAMIC	0
	C386	QCS31HJ-221	220PF	Λ09	CERAMIC	0
	C387	QCS31H7-221	220PF	200	CERAMIC	0
	C388	QCS31H7-551	220PF	200	CERAMIC	0
	C389	QCS31H1-221	220PF	200	CERAMIC	0
	C391	QETC1CM-476	47MF	167	ELECTORO	
	C335	QETC1CM-476	47MF	167	ELECTORO	

Description

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Part Number

	CARBON	MÞ/L	4.7K	QRD141J-472S	R362	
	CARBON	Mt/L	4.7K	QRD141J-472S	F361	
	CARBON	Mt/L	100	QRD141J-101S	698A	
	САВВОИ	MÞ/1	H8.8	QRD141J-682S	835A	
	CARBON	M⊅/L	2.2K	QRD141J-222S	F357	
	САВВОИ	Mt/L	290	QRD141J-561S	H322	
	3J8AIRAV		520K	QVTB01B-EF5B	F354	
	3J8AIRAV		250K	QVZ5307-001	F353	
	САВВОИ	MÞ/L	4.7K	QRD141J-472S	H352	
	CARBON	W4/I	4.7K	QRD141J-472S	F351	
	САВВОИ	Mt/l	100K	QRD141J-104S	T88A	
	САВВОИ	Mt/L	120K	QRD141J-154S	988A	
	САВВОИ	Mt/L	390K	QRD141J-394S	R335	
	САВВОИ	Mt/L	100K	QRD141J-104S	F334	
	CARBON	M⊅/L	55K	QRD141J-223S	F333	
	САВВОИ	Mb/L	470K	QRD141J-474S	F332	
	CARBON	Mt/L	MT	QRD141J-105S	F331	
	CARBON	MÞ/L	180K	QRD141J-184S	H326	
	САВВОИ	MÞ/L	29K	QRD141J-563S	F325	
	CARBON	M⊅/↓	10K	QRD1411-103S	H324	
	CARBON	W4/r	10K	QRD141J-103S	F323	
	CARBON	Mt/L	10K	QRD141J-103S	R322	
	CARBON	Mb/L	10K	QRD141J-103S	F321	
	CARBON	M⊅/L	270K	QRD141J-274S	F320	
	САВВОИ	Mt/l	1K	QRD141J-102S	916A	
	САВВОИ	Mt/L	1K	QRD141J-102S	B315	
	CARBON	M⊅/L	074	S174-L1410AQ	H314	
	CARBON	M⊅/↓	074	St74-Lt4taAQ	F15A	
	CARBON	Mt/L	100K	QRD141J-104S	R312	
	САВВОИ	MÞ/L	100K	QRD141J-104S	F115A	
M. F	CARBON	MÞ/L	470K	QRD141J-474S	016A	
	ОВВВОИ	Mt/L	470K	QRD141J-474S	608A	
	CARBON	Mt/l	36K	QRD141J-3935	808A	
	CARBON	MÞ/L	36K	QRD141J-393S	708A	
	CARBON	Mt/L	750	QRD141J-751S	90EA	
	САВВОИ	Mt/L	750	QRD141J-751S	B305	
	САВВОИ	1/4M	₫∑K	QRD141J-473S	F304	
	CARBON	1/4M	47K	QRD141J-473S	F303	
	CARBON	Mt/L	2.2K	QRD141J-222S	F302	
	CARBON	Wp/r	5.2K	QRD1411-222S	F301	
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	IC304	N1M4558D		DAINICHI	
	IC303	1C4016BP		ABIHSOT	
	IC305	LC7815H		OYNAS	
	10301	N1M4558D-D		DAINICHI	
				Макег	
∇	Item JoN	Part Number	9G	Description	
ce					
CS	0321	SSC1740LN(R,S)	SIFICON	ВОНМ	
ce		SSC1740LN(R,S)	SILICON	МНОЯ	
SO	0321				

)LS	pacito	e0
	ROHM	SIFICON F.E.D.	125016-31 2LR-54MC50F165	D368	
	МНОЯ	רבים	SLR-54VC50F165	D326	
	МНОЯ	.G.B.J	2LR-54DC50F165	D324	
	ВОНМ	L.E.D.	2LR-54DC50F165	D323	
	ВОНМ	r.E.D.	2FB-24DC20E165	D325	
	МНОЯ	. U.E.D.	2LR-54DC50F165	D321	
	Макег				
Areas	scription	De:	Part Number	ntem .oN	V

100	9 A IVM	7,02	U USSPARE	OEMSTHK-333	6960	
	AAJYM	Λ09	0.033MF	ФЕИЗ1НК—333	C361	
	CERAMIC	Λ09	270PF	QCS31HJ-271	C334	
	ELECTORO	SEV	10MF	QETC1EM-106	C333	
	CERAMIC	200	4700PF	QCY31HK-472	C335	
	ЕГЕСТОВО	257	10MF	QETC1EM-106	C331	
	AAJYM	200	0.22MF	QFN31HK-224	C352	
	CERAMIC	200	100PF	QCS31HJ-101	C35¢	
	CERAMIC	Λ09	100PF	QCS31HJ-101	C353	
	CERAMIC	Λ09	100PF	QCS31HJ-101	C355	
	CERAMIC	Λ09	100PF	QCS31H1-101	C354	
	ELECTORO	V03	1MF	QETC1HM-105	C350	
	ELECTORO	107	100MF	QETC1AM-107	C314	
	ELECTORO	107	100MF	QETC1AM-107	C313	
	ELECTORO	200	2.2MF	QETC1HM-225	C315	
	ЕГЕСТОВО	Λ09	2.2MF	QETC1HM-225	C311	
	CERAMIC	Λ09	100PF	QCS31HJ-101	C310	
	CERAMIC	Λ09	100PF	QCS31HJ-101	C309	
	CERAMIC	Λ09	440089	QCY31HK-682	C308	
	CERAMIC	Λ09	440089	QCY31HK-682	C307	
	CERAMIC	Λ09	1800PF	ОСЛЗ1НK—185	C306	
	CERAMIC	Λ09	1800PF	QCY31HK-182	C302	
8	CERAMIC	A09	100PF	QCS31HJ-101	C30¢	
A	CERAMIC	Λ09	100PF	QCS31HJ-101	C304	
0	CERAMIC	Λ09	F60PF	QCS31H1-561	C304	
В	CERAMIC	۸09	100PF	QCS31HJ-101	C303	
A	CERAMIC	Λ09	100PF	QCS31HJ-101	C303	
0	CERAMIC	Λ09	560PF	OC231H7-201	C303	
	ELECTORO	Λ09	4.7MF	QETC1HM-475	C305	
	ELECTORO	200	4.7MF	QETC1HM-475	C301	
Areas	notion	Descrip		Раң Иитрег	Item oN	V
				, s	oscito	je;
	HITATIH		SIFICON	182076-31	D358	
	MINOA		L.E.D.	2FH-24MC20H122	7920	

Λ09

Λ09

Λ09

Λ09

Λ09

Λ09

CERAMIC CERAMIC

CERAMIC

CERAMIC

CERAMIC

MYLAR

220PF

4M10.0

0.047MF

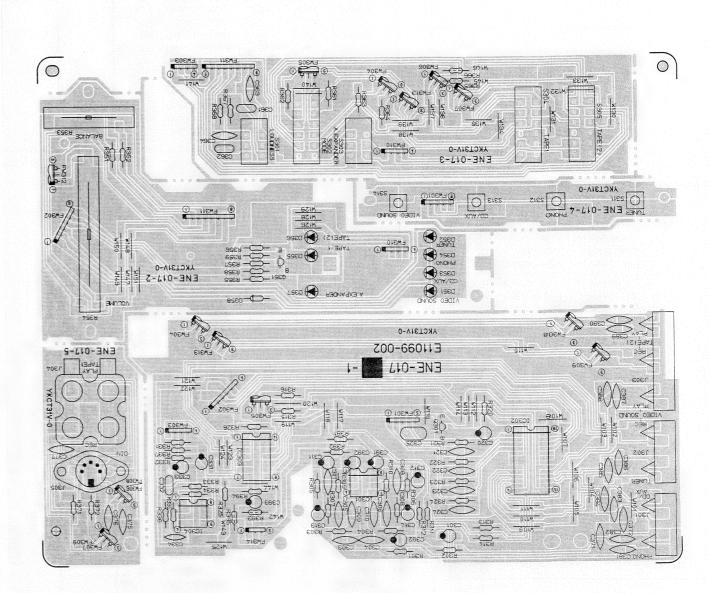
180PF

180PF

0.033MF

(I) stoN ENH-017 \square Egualizer & Switch P.C. Board Ass'y Note ENE-017 \square Varies according to the areas employed. See note (1) when placing an order.

West Germany	ENE-017 C
Europe, Australia, U.K., U.S. Mili- tary Market & Other Countries	ENE-017 B
U. S. A. & Canada	ENE-017 A
Designated Areas	P.C. Board Ass'y



C375 QCS31HJ-221

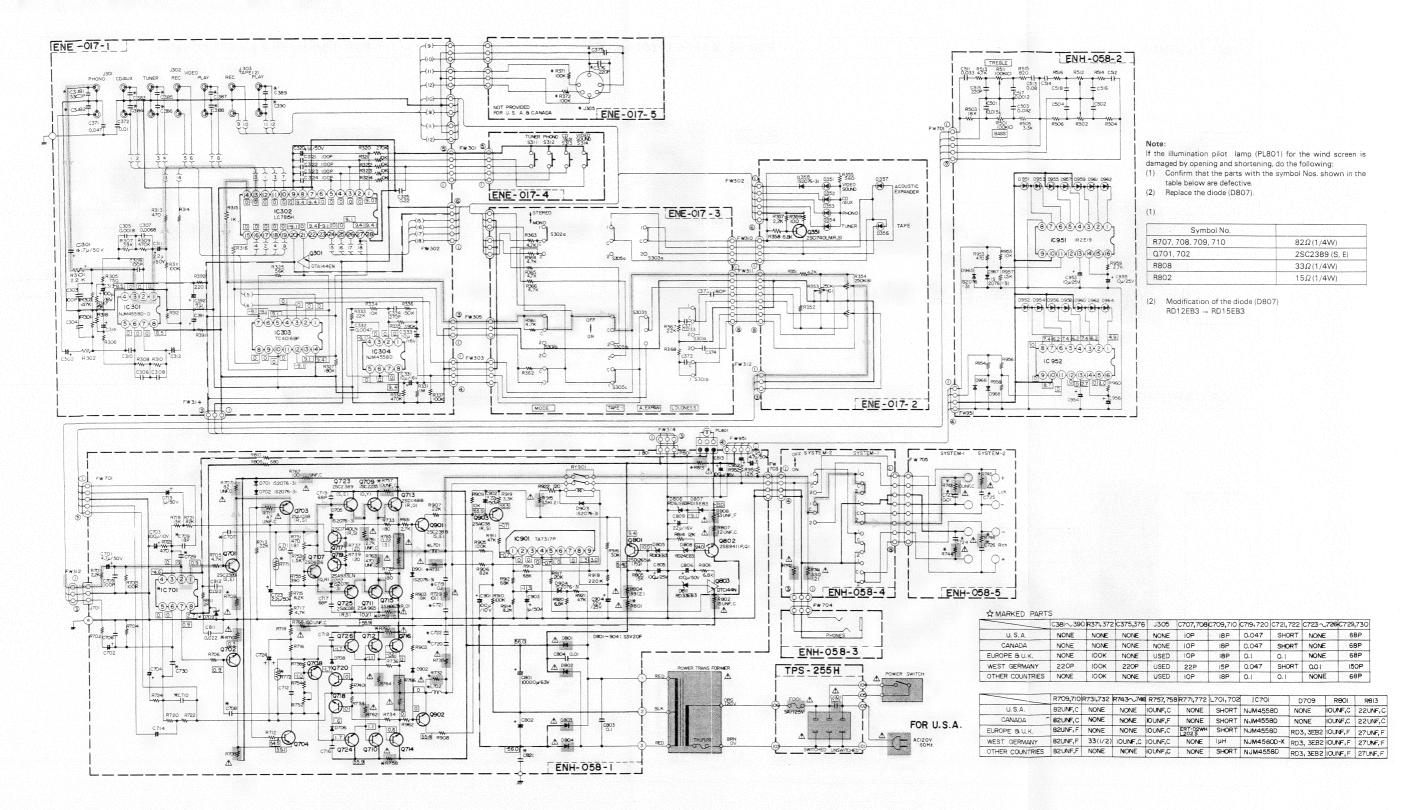
C372 QCF31HP-103 C371 QCF31HP-473

C364 QCS31HJ-181

C363 QCS31HJ-181

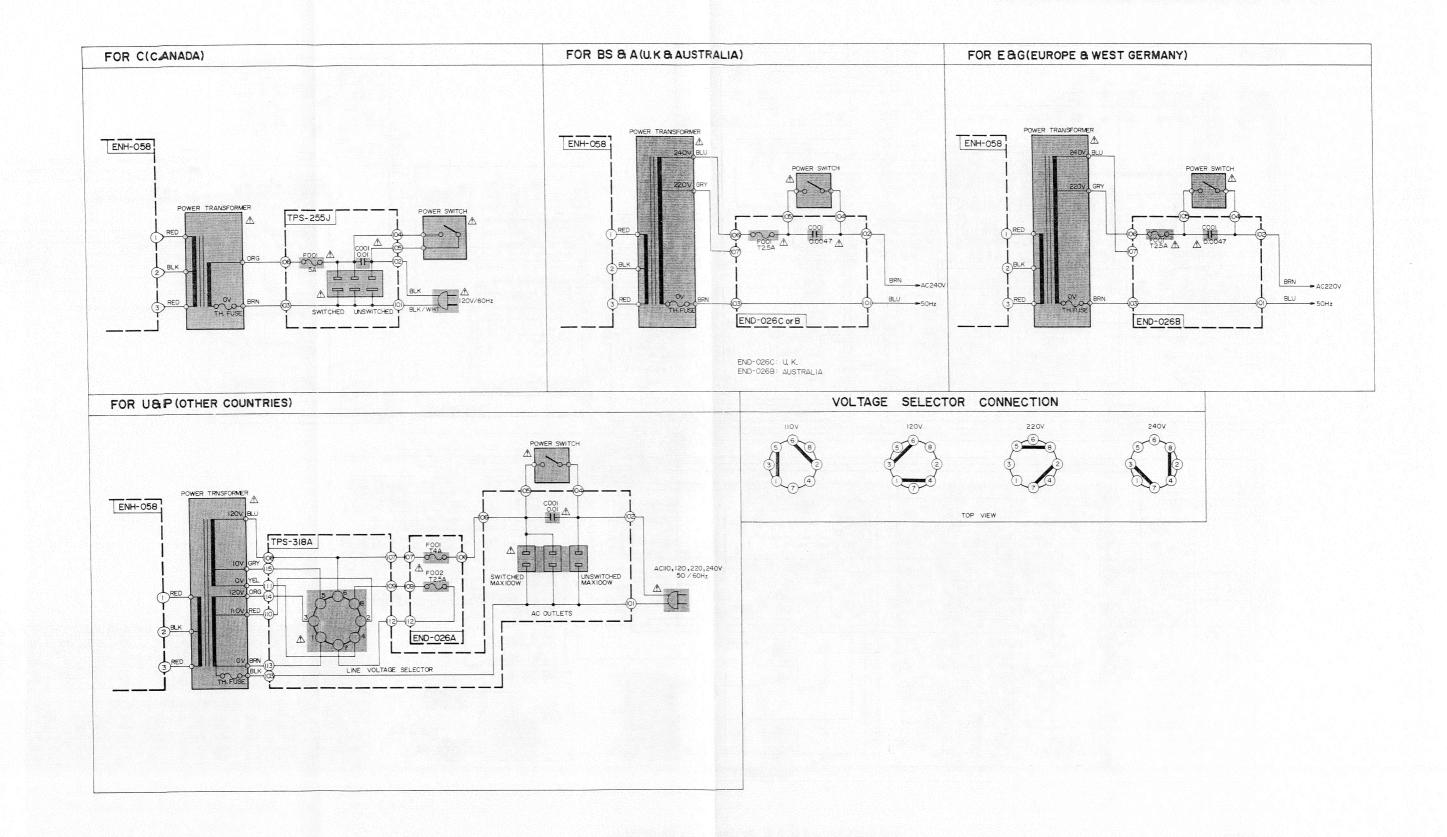
C362 QFN31HK-333

6. A-GX3 Schematic Diagram



Notes:

- 1. indicates positive B power supply.
- 2. ---- indicates negative B power supply.
- 3. indicates signal path.
- 4. When replacing the parts in the darkned area (
- and those marked with \triangle , be sure to use the designated parts to ensure safety.
- This is the standard circuit diagram.
 The design and contents are subject to change without



Resistors

Item No.	Part Number		Descrip	otion	Areas
R363	QRD141J-472S	4.7K	1/4W	CARBON	
R364	QRD141J-472S	4.7K	1/4W	CARBON	
R365	QRD141J-472S	4.7K	1/4W	CARBON	
R366	QRD141J-472S	4.7K	1/4W	CARBON	
R367	QRD141J-223S	22K	1/4W	CARBON	
R368	QRD141J-223S	22K	1/4W	CARBON	
R371	QRD141J-104S	100K	1/4W	CARBON	В
B371	QRD141J-104S	100K	1/4W	CARBON	C
R372	QRD141J-104S	100K	1/4W	CARBON	В
R372	QRD141J-104S	100K	1/4W	CARBON	С
R391	QRD141J-221S	220	1/4W	CARBON	
R392	QRD141J-221S	220	1/4W	CARBON	

Others

Δ	Item No.	Part Number	Description	Areas
		E11099-002	CIRCUIT BOARD	
	J301	EMN00TV-405A	4P PIN JACK	
	J302	EMN00TV-402A	PIN JACK ASSY	
	J303	EMN00TV-602A	PIN JACK ASSY	
	J305	E03623-003	DIN SOCKET	В
	J305	E03623003	DIN SOCKET	С
	S301	QST4361-E08	PUSH SWITCH	
	S305	QST4101-E16	PUSH SWITCH	
	S311	ESP0001-007	PUSH SWITCH	
	S312	ESP0001-007	PUSH SWITCH	
	S313	ESP0001-007	PUSH SWITCH	
	S314	ESP0001-007	PUSH SWITCH	

TPS-255 □ AC outlet P.C. Board Ass'y

Note TPS-255
Varies according to the areas employed. See note (1) when placing an order.

Note (1)

P.C. Board Ass'y	Designated Areas	
TPS-255 H	U. S. A.	
TPS-255 J	Canada	

Capacitor

	Item No.	Part Number	Descri	otion	Areas
Δ	C001	QCZ9019-103	0.01MF	CERAMIC	

	Item No.	Part Number	Description	Areas
		E65508-001	TAB	
		E65508-001	TAB	
Δ		QMC0637-004	3P AC OUTLET	Н
Δ		QMC0638-001	AC OUTLET	J
		E43727-001	TAB	
		E03675-004 E66003-005	FUSE CLIP CIRCUIT BOARD	

 ⚠: Safety Parts

C001

TPS-318 A Voltage Selector P.C. Board Ass'y (For U.S. Military Market & Other Countries Only)

TPS-318

Capacitor

\triangle	Item No.	Part Number		Descri	otion	Areas
Δ	C001	QFH53BM-103M	40.01MF	1250V	M.MYLAR	

Others

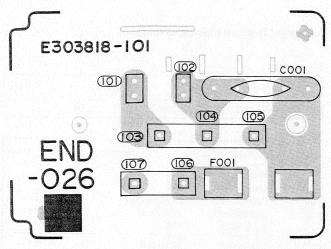
Δ	Item No.	Part Number	Description	Areas
		E302057-001	CIRCUIT BOARD	
		E65508-001	TAB	
Δ		QSR0085-006U	VOLTAGE SELECTOR	
$\overline{\mathbb{A}}$		QMC0637-004	3P AC OUTLET	
		E43727-001	TAB	

 \triangle : Safety Parts

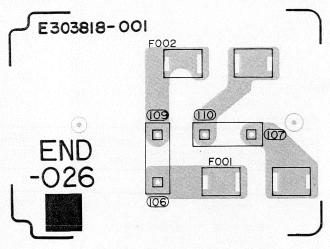
END-026 Fuse P.C. Board Ass'y

Note END-026 \square Varies according to the areas employed. See note (1) when placing an order. Note (1)

P.C. Board Ass'y	Designated Areas	
END-026 A	U.S. Military Market & Other Countries	
ENE-026 B	Europe, Australia, & West Germany	
END-026 CBS	U.K.	



(for Europe, Australia, U.K. & West Germany only)



(for U.S. Military Market & Other Countries only)

Capacitors

\triangle	Item No.	Part Number	D	escription	Areas
Δ	C001	QCZ9019-472BS	4700PF	CERAMIC	CBS
Δ	C001	QCZ9019-472	4700PF	CERAMIC	В

▲: Safety Parts

Others

Δ	Item No.	Part Number	Description	Areas
		E303818-001	CIRCUIT BOARD	A
		E303818-101	CIRCUIT BOARD	В
		E303818-101BS	CIRCUIT BOARD	CBS
		E65508-002	TAB	В
		E65508-002	TAB	CBS
		EMG7331-001	FUSE CLIP	
		E67764-202	WRAPPING TERMINAL	
		E67764-203	TERMINAL ASS'Y	В
		E67764-203	TERMINAL ASS'Y	CBS

4. Accessories List

Δ	Part Number	Part Name	Description	Areas
	E3O580-1237A	Instruction Book		Except BS
	E3O580-1237ABS	Instruction Book		BS
	BT20048B	Warranty Card		J,P,PG
	BT 20025F	Warranty Card		С
	BT20054-006A	Warranty Card		G
	BT20029C	Warranty Card		А
	BT20060	Warranty Card		BS
	BT20044D	Safety Instruction	1	J
	BT20046B	Service Information Card		J,P,PG
	BT20071A	Service Center List		С
	BT20066	EEC Agency		G,BS
	BT20054-006A	FTZ Information		G
	E66416-003	Envelope		J
	E41202-2	Envelope		Except BS
	E41202-2B	Envelope		BS
Δ	E04056	Siemens Plug		

The Marks for Designated Areas

♠: Safety Parts

J...... U. S. A.

G...... West Germany

C..... Canada

BS..... U. K.

E...... Europe A...... Australia P,PG... U.S. Military Market U...... Other Countries

5. Packing Materials and Part Numbers

